

Title (en)

Process for making improved copper/tungsten composites

Title (de)

Verfahren zur Herstellung von Kupfer/Wolfram-Verbundkörper

Title (fr)

Procédé de préparation de composites cuivre/tungstène

Publication

EP 0806489 A2 19971112 (EN)

Application

EP 97106661 A 19970422

Priority

US 64644996 A 19960507

Abstract (en)

The sinterability of a copper/tungsten green compact is improved by using copper oxide, tungsten oxide or both as the copper and/or tungsten source. Sinterability is further enhanced by including steam in the sintering atmosphere.

IPC 1-7

C22C 33/02; **B22F 3/00**

IPC 8 full level

B22F 3/00 (2006.01); **B22F 3/10** (2006.01); **B22F 3/23** (2006.01); **C22C 1/04** (2006.01); **C22C 1/05** (2006.01)

CPC (source: EP US)

B22F 3/001 (2013.01 - EP US); **B22F 3/10** (2013.01 - EP US); **B22F 3/23** (2013.01 - EP US); **C22C 1/045** (2013.01 - EP US); **C22C 1/05** (2013.01 - EP US); **B22F 2003/1042** (2013.01 - EP US); **B22F 2201/013** (2013.01 - EP); **B22F 2201/05** (2013.01 - EP); **B22F 2998/00** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

Cited by

EP2208558A1; CN103589883A; DE19916082A1; DE19916082C2; US6312495B1; WO0216063A3; US8268035B2; US9028583B2

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US 96604197 A 19971107; EP 97106661 A 19970422; JP 11728797 A 19970507; US 64644996 A 19960507; US 84041597 A 19970429